

Title (en)

GRAPHENIC CARBON PARTICLE CO-DISPERSIONS AND METHODS OF MAKING SAME

Title (de)

GRAPHENKOHLENSTOFFPARTIKELDISPERSIONEN UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

CO-DISPERSIONS DE PARTICULES DE CARBONE GRAPHÉNIQUE ET LEURS PROCÉDÉS DE FABRICATION

Publication

EP 3172283 A1 20170531 (EN)

Application

EP 15754317 A 20150722

Priority

- US 201414337427 A 20140722
- US 2015041492 W 20150722

Abstract (en)

[origin: WO2016014641A1] Co-dispersions of different types of graphenic carbon particles are produced using a polymeric dispersant. A portion of the graphenic carbon particles may be thermally produced. The polymeric dispersant may include an anchor block comprising glycidyl (meth)acrylate, 3,4-epoxycyclohexylmethyl(meth)acrylate, 2-(3,4-epoxycyclohexyl)ethyl(meth)acrylate, allyl glycidyl ether and mixtures thereof, reacted with a carboxylic acid comprising 3-hydroxy-2-naphthoic acid, para-nitrobenzoic acid, hexanoic acid, 2-ethyl hexanoic acid, decanoic acid and/or undecanoic acid. The polymeric dispersant may also include at least one tail block comprising at least one (meth)acrylic acid alkyl ester.

IPC 8 full level

C09D 5/24 (2006.01); **C09D 7/45** (2018.01); **H01B 1/00** (2006.01)

CPC (source: EP)

C01B 32/194 (2017.07); **C09D 5/24** (2013.01); **C09D 7/61** (2017.12); **H01B 1/04** (2013.01)

Citation (search report)

See references of WO 2016014641A1

Cited by

CN108250890A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016014641 A1 20160128; EP 3172283 A1 20170531; EP 3172283 B1 20200610; ES 2811121 T3 20210310; PL 3172283 T3 20201228; TW 201610042 A 20160316; TW I572686 B 20170301

DOCDB simple family (application)

US 2015041492 W 20150722; EP 15754317 A 20150722; ES 15754317 T 20150722; PL 15754317 T 20150722; TW 104123739 A 20150722